

## STORMS AND WARNINGS—WEATHER AND CROPS.

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EDWARD H. BOWIE, Supervising Forecaster.

*Washington forecast district.*—The month was marked by an unusual number of showery and rainy days and by small fluctuations in temperature and moderate winds. The number of forecasts issued of showers, rains, and thunderstorms was above the normal for this month. No general storm warnings were issued, but small-craft warnings were issued on the 22d for the Middle Atlantic and New England coasts and on the 29th for the Great Lakes. On the 25th and 26th advices concerning the wind and weather conditions attending a disturbance over the ocean were sent to Atlantic ports and to vessels at sea by radio. This disturbance apparently had its origin off the Carolina coast on the 25th. Frost warnings were issued for northern Michigan on the 21st and 22d.

*Chicago forecast district.*—Frost warnings were issued for the cranberry bogs of central Wisconsin on the 1st for all the bogs in the State on the 21st, and for all except the Shell Lake section in northwestern Wisconsin on the 22d. These warnings were fully verified. Heavy frost occurred on the 23d in the bogs of central Wisconsin.

Warnings were issued for western and central Montana and northwestern Wyoming on the 30th, and for Montana, Wyoming, the western portions of the Dakotas, and western Nebraska on the 31st. These warnings were only partially verified.

The special fire-weather forecasts for Montana were sent to the district forester at Missoula, Mont., daily throughout the month.

Upon telegraphic request of the secretary of the Missouri State Fair Association, Sedalia, Mo., the following special forecast was issued on the 12th:

Fair weather with moderate temperature Friday, Saturday, and Sunday. Indications point to rising temperature and fair weather first part next week.

The Illinois State Fair was held at Springfield from August 20 to 28, and the following special forecasts were issued at the request of the section director:

August 19: "Showers Friday and Friday night, followed by a period of fair weather and moderate temperature for several days."

August 23: "Fair weather next three days. Temperature will rise slowly beginning Tuesday."

August 26: "Fair weather is probable Friday and Saturday with continued moderate temperature."

All of the above special forecasts were well verified, as is indicated by the following editorial from the *Illinois State Journal*:

## WEATHER BUREAU MAKES GOOD.

Friends of the Illinois State Fair take off their hats to the Weather Bureau. They are grateful for the accuracy of the special predictions which it made prior to and during the expositions.

Weather indications for the opening of the fair were not particularly favorable. The Bureau, however, issued a reassuring forecast, on the strength of which prospective visitors who feared that they would encounter bad weather took heart and braved the clouds.

They were not disappointed. Nor were others who later were guided by supplemental predictions of perfect weather for the exposition.

The Weather Bureau comes in for much adverse criticism during the course of a year. Its errors of judgment are like the errors of a ball player, never failing to attract attention. It gets little enough credit for the number of predictions which prove true. When it performs as well as it did during the fair, it is entitled to flowers and the thanks of those who, depending on its forecasts, visited the fair.

C. L. Mitchell, *Meteorologist*.

*New Orleans forecast district.*—No warnings were issued or required. However, southeast winds were locally high at Corpus Christi, Tex., on the afternoon of the 28th, when the monsoon tendency prevailing on the Texas coast was reinforced by the passage of a disturbance whose center was far to the northward.—R. A. Dyke, *Meteorologist*.

*Denver forecast district.*—No important low barometer areas crossed the district during August, and the month was unusually dry.

The prevalence of moderately high barometric pressure was attended by abnormally cool weather in the greater part of the district.

No warnings were issued, except on the 31st. On the morning of that date an anticyclone occupied the northern and middle Rocky Mountain regions, with the barometer nearly five-tenths of an inch above the normal in Idaho and western Montana. Warnings of frost were issued for high districts in Utah and localities in eastern Colorado and the northern portion of Arizona and New Mexico.—F. W. Brist, *Meteorologist*.

*San Francisco forecast district.*—Southwest storm warnings were ordered at Washington and Oregon stations on the 27th and 29th and verified.

Fire-weather warnings were issued for Washington, Oregon, and Idaho on the 5th, 11th, 19th and 23d. The warnings covered periods of three or four days and were amply justified. At the request of the forest supervisor at Missoula, Mont., daily forecasts of wind and weather for Idaho were telegraphed to him from the 11th to the 28th, inclusive.

Special forecasts of fog along the coast from San Francisco to San Diego were requested by the Naval Air Service on the 11th and 13th. The forecasts were verified.—G. H. Willson, *Meteorologist*.